



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

MAY 31 2005

DOT-E 10184
(ELEVENTH REVISION)

EXPIRATION DATE: April 30, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Honeywell International Inc.
Morristown, NJ

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of specific gas mixtures that are commercially free of corroding components in DOT Specification 4B, 4BA or 4BW cylinders retested in accordance with the provisions of 49 CFR §§ 180.209(e) and (g). This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 180.209(e) and (g) in that other gas mixtures commercially free of corroding components are permitted.

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5. BASIS: This exemption is based on the application of Honeywell International dated March 18, 2005, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.2	UN1958	N/A
Ethylene oxide and carbon dioxide mixtures	2.1	UN1041	N/A
Ethylene oxide and chlorotetrafluoroethane mixture	2.2	UN3297	N/A
Ethylene oxide and dichlorodifluoromethane mixture	2.2	UN3070	N/A
Ethylene oxide and pentafluoroethane mixture	2.2	UN3298	N/A
Liquefied gas, n.o.s.	2.2	UN3163	N/A
Liquefied gas, toxic, n.o.s. (ethylene oxide, chlorodifluoromethane)	2.3	UN3162	N/A
Pentafluoroethane	2.2	UN3220	N/A
1,1,1,2-Tetrafluoroethane	2.2	UN3159	N/A

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Prescribed packagings are DOT Specification 4B, 4BA or 4BW cylinders.
- b. TESTING - Each cylinder may be requalified and marked in accordance with §§ 180.209(e) and (g).

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c. OPERATIONAL CONTROLS - Each cylinder must be protected externally by corrosion resistant coatings in accordance with § 180.209(e); and the contents of cylinder must be free of corroding components.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each cylinder authorized herein must be marked "DOT-E 10184" as required by § 172.301(c).

d. Transportation of Division 2.1 (flammable gases) and Division 2.3 materials (gases which are poisonous by inhalation) are not authorized aboard cargo vessel unless specifically authorized in the Hazardous Materials Table (§ 172.101).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.

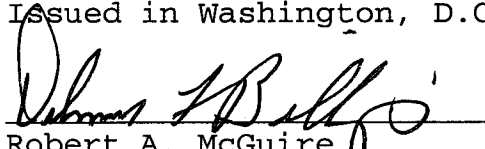
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this exemption are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this exemption must notify the Associate Administrator for Hazardous Materials Safety -- OHMEA, in writing, of any incident involving a package, shipment or operation conducted under terms of this exemption.

Issued in Washington, D.C.:


b^u Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

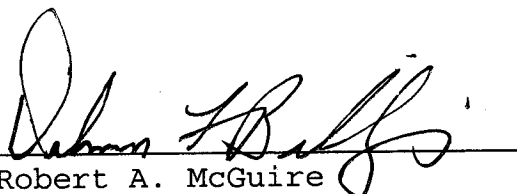
Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Praxair Distribution Inc. Danbury, CT	May 4, 2005	MAY 3 1 2005	Apr 30, 2007
Praxair Inc. Danbury, CT	May 4, 2005	MAY 3 1 2005	Apr 30, 2007



for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety